

Department of the Interior Y2K Master Plan

Each Bureau/Office will submit a master plan for each mission-critical system being tracked by OMB. These plans are due back to Dave Brandt by January 15, 1998. Master Plans will include, but not be limited to, the following information:

System Name: NPRDWA		System Owner: GP Region, Wyoming Area Office	
Task	Scheduled Completion Date	Actual Completion Date	
Analysis:			
- existing code	06/1997	06/1997	
- internal interfaces	06/1997	06/1997	
- external interfaces	06/1997	06/1997	
Remediation	04/1998	11/1997	
Testing:			
- regression testing	05/1998	12/1997	
- integrated testing	05/1998	Working	
- Y2K testing	05/1998	12/1997	
Independent Validation and Verification	N/A	N/A	
Implementation	06/1998		
Costs:	Estimated	Actual	
Enter costs in whole dollars	\$60,000		

Enter all dates in mm/yyyy format

Attached time line by Y2K Phase (include critical path);

List of resources needed/used (use separate figures for Government employees and contractors in work weeks, months, or years, as appropriate);

**In-house programmer (.12 WYE), Robert Smith (406) 247-2752.
Wyoming Area Office DEC-MicroVAX 3400 for test purposes, parallel operation
and implementation.**

List any systems (internal and external) that this system receives data from or delivers data to for processing, manipulation, etc. Include input and output file names, contact names, target dates for remediation and verification:

Input

Wyoming SCADA, Larry Aksamit, (307) 261-5636. The SCADA is Y2K compliant.

GP Region Sutron Hydromet Data Management System (DMS), Roger Michel (406) 247-7758. GP Region DMS is output from the Sutron Hydromet, Pacific Northwest Region, Bureau of Reclamation, Boise, Idaho, Mike Pluto (208) 378-5183, tracked in the Y2K database as the application entitled PNOPE. Remediation is scheduled for completion 03/1998 and verification is scheduled for completion 11/1998.

Output

GP Region Sutron Hydromet Data Management System (DMS), Roger Michel (406) 247-7758. GP Region DMS is output from the Sutron Hydromet, Pacific Northwest Region, Bureau of Reclamation, Boise, Idaho, Mike Pluto (208) 378-5183, tracked in the Y2K database as the application entitled PNOPE. Remediation is scheduled for completion 03/1998 and verification is scheduled for completion 11/1998.

Testing methodology used to assure functionality was not affected by repairs (regression testing, etc.):

- a. First test data was input into the system (in an isolated environment) to check that the various date and number formats and logic known to cause functionality and Y2K problems were corrected in the code.**
- b. Next the application was run parallel with real-time data.**
- c. The application was implemented on the VAX 6410 located in the Regional Office, Billings, Montana; however, the VAX 6410 will be replaced by a DEC-Alpha 4100 in FY 1998 and the North Platte River Daily Water Accounting System (NPRDWA) is proprietary to the DEC-VAX operating system.**
- c. The NPRDWA system will be ported to a DEC-MicroVAX 3400 located in Wyoming Area Office, Mills, Wyoming.**

Validation methodology to assure that this system will be Y2K compliant:

Used test data in an isolated environment to make sure that 2 character date fields, logic using pre-Y2K date formats, and output in 2 character format was corrected.

Independent validation and verification is not feasible as the NPRDWA system is internal to the Region, proprietary, and parts of the data input is real-time.

The following will be submitted addressing your organization's overall Y2K plan:

Evidence of thorough Assessment

Completed Y2K Program Questionnaire (attached)